À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Histone H4

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:16047-1-AP Phare 52 Publications

Informations de base

Numéro de catalogue:
16047-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG8999

Numéro d'acquisition GenBank:
BC012587

Identification du gène (NCBI):
8367

Nom complet:
histone cluster 1, H4e

MW calculé
102 aa, 11 kDa

MW observés:
14 kDa, 11 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:400-1:1600
IF 1:20-1:200

Applications

Applications testées:
ChIP, FC, IF, IHC, IP, WB, ELISA

Demandes citées:
ChIP, CoIP, IF, IHC, IP, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
bovin, Humain, levure, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HepG2, cellules HT-1080, cellules MCF-7, tissu de thymus de rat, tissu de thymus de souris, tissu rénal de souris

IP : cellules HeLa,

IHC : tissu d'intestin grêle de souris, tissu de cancer du sein humain, tissu de côlon de souris

IF : cellules HeLa,

Informations générales

Histone H4 is a 103 amino acid protein, which belongs to the histone H4 family. Histone H4 localizes in the nucleus and is a core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yan Sun	34564701	Cell Death Dis	IP
Liwei Weng	32978498	Sci Rep	WB,IP
Liangde Zheng	31525119	Autophagy	WB

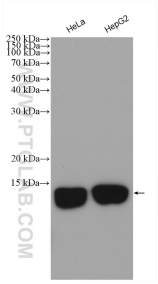
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

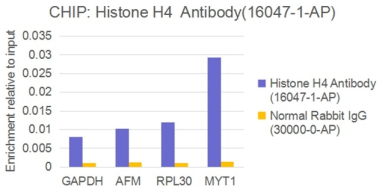
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

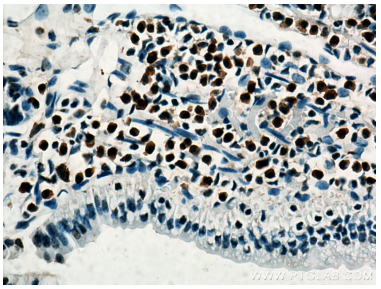
Données de validation sélectionnées



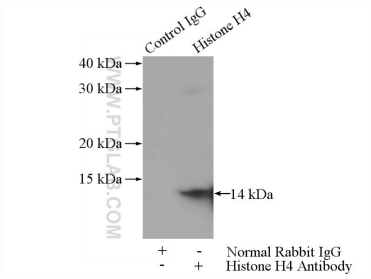
HeLa cells were subjected to SDS PAGE followed by western blot with 16047-1-AP (Histone H4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



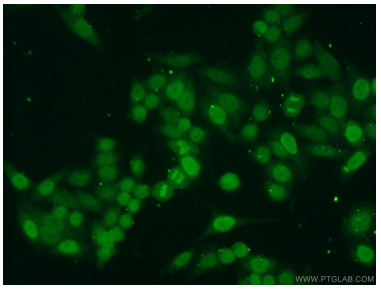
Chromatin was prepared from HEK-293 cells. The ChIP was performed with 10 µg of cross-linked chromatin, 5 µg of 16047-1-AP or Normal Rabbit IgG, and 60µl of Protein A sepharose beads. The immunoprecipitated DNA was quantified by real time PCR. Primers are located in the first kb of the transcribed region.



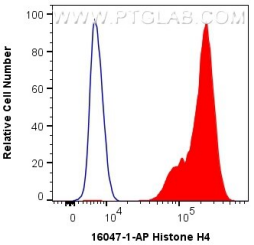
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 16047-1-AP (Histone H4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-Histone H4 (IP:16047-1-AP, 3ug; Detection:16047-1-AP 1:600) with HeLa cells lysate 2000ug.



Immunofluorescent analysis of HeLa cells using 16047-1-AP (Histone H4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human Histone H4 (16047-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).